

Title (en)

Low volatile reactive malodor counteractives and methods of use thereof

Title (de)

Schwerflüchtige reaktive Geruchsgegenmittel und Verwendungsverfahren dafür

Title (fr)

Agents contre les mauvaises odeurs de réactifs faiblement volatils et leurs procédés d'utilisation

Publication

**EP 2583696 B1 20180221 (EN)**

Application

**EP 12189143 A 20121018**

Priority

US 201113277288 A 20111020

Abstract (en)

[origin: EP2583696A2] The present invention provides a malodor counteractant compound comprising a  $\alpha$ -keto moiety or benzaldehyde covalently attached to a polymer, an oligomer; a surfactant or a solid surface, wherein the  $\alpha$ -keto moiety comprises a ketone which is capable of reacting with malodors for counteracting amine-based malodor in consumer, industrial and textile products.

IPC 8 full level

**A61L 9/01** (2006.01); **C07C 69/675** (2006.01); **C07C 205/44** (2006.01); **C07C 223/06** (2006.01); **C07C 229/08** (2006.01); **C07C 323/22** (2006.01); **C08B 30/00** (2006.01)

CPC (source: CN EP US)

**A61L 9/00** (2013.01 - CN); **A61L 9/01** (2013.01 - CN EP US); **C07C 69/675** (2013.01 - US); **C07C 205/44** (2013.01 - EP US); **C07C 223/06** (2013.01 - EP US); **C07C 229/08** (2013.01 - US); **C07C 323/22** (2013.01 - EP US); **C08B 30/00** (2013.01 - US); **A61L 2209/21** (2013.01 - CN); **C07B 2200/11** (2013.01 - EP US)

Citation (examination)

- GB 1373609 A 19741113 - HOFFMANN LA ROCHE [CH]
- WO 9900114 A2 19990107 - STATENS SERUMINSTITUT [DK], et al
- US 2007225485 A1 20070927 - LI ALEXANDER D Q [US], et al
- WO 2011020116 A1 20110217 - UNIV VIRGINIA [US], et al
- US 2003124157 A1 20030703 - ENGLES CHARLES R [US], et al
- US 6630128 B1 20031007 - LOVE WILLIAM GUY [GB], et al

Cited by

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Designated contracting state (EPC)

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